

Claims

1. Drive assembly (10) for a hair-clipping machine or the like, with a drive motor (12) which essentially consists of a field magnet (14) with a coil (16) and a core (28) penetrating the coil (16) as well as an armature (18), wherein lateral air gap sections (A,B) are formed between the field magnet (14) and the armature (18) and center air gap sections (a, b) are formed between the core (28) and the armature (18), characterized in

that the center air gap sections (a, b) and the lateral air gap sections (A,B) are each approximately symmetrical and inclined with respect to a longitude axis (24).

2. Drive assembly (10) according to claim 1, characterized in

that the air gap sections (A, a, b, B) form an angle of approximately 45° with respect to the longitude axis (24).

3. Drive assembly (10) according to claim 1 or 2, characterized in

that the armature (18) has triangular notches (26) in the region of longitude axis (24), with a correspondingly formed center rib of the core (28) projecting into the notches (26) without making contact thereto, thereby forming the center air gap sections (a, b).

4. Drive assembly (10) according to claim 1, characterized in

that the center air gap section (a, b) and/or the lateral air gap sections have a curved contour.

5. Drive assembly (10) according to one of the preceding claims, characterized in

that the center air gap sections (a, b) and/or the lateral air gap sections (A,B), when viewed in longitudinal cross section, have an inclined and/or offset cross sectional shape.

6. Drive assembly (10) according to claim 5,
characterized in
that the air gap segments (A, a, b, B) form an angle of approximately 45° with respect to the vertical axis (29).
7. Drive assembly (10) according to claim 6,
characterized in
that the armature (18) and a drive pin (20) are connected with each other via a clip (30;30a;30b), a plate (32;32a) or a bolt arrangement (36).
8. Drive assembly (10) according to one of the claims 1-7,
characterized in
that at least one compression spring (38) is arranged between the armature (18) and the field magnet (14).
9. Drive assembly (10) according to claim 8,
characterized in
that the spring travel of the compression spring (38) can be adjusted via an adjusting screw (40) or via a clamp (42) that lockingly engages with the legs of the clip (30b).
10. Drive assembly (10) according to one of the claims 1-9,
characterized in
that the drive assembly (10) is formed as a module.

11. Drive assembly (10) according to one of the claims 1-5,
characterized in

that the field magnet (14) and the armature (18) form separate modules.

12. Drive assembly (10) according to claim 11,
characterized in

that the armature (18) is connected to an oscillating spring (44) via a bearing (22).